

What is claimed is:

1. A process for producing a casing providing a screen against electromagnetic radiation, particularly for receiving electronic operational elements, comprising a screening profile arranged in a given portion of at least one casing part, said screening profile comprising elastic and conductive material, characterised in that the elastic, conductive material is applied, by means of pressure from a needle or nozzle, directly onto the portion of the casing part on which the screening profile is to be arranged.

Claims 2 – 21 have been cancelled

22. (NEW) A method for the manufacture of a housing having two adjacent housing parts for accommodating electronic functional elements (2), comprising:

forming a screening seal (8; 8') to fill a gap between said two adjacent housing parts, said seal being made from an electrically conductive elastic plastic material, said electrically conductive elastic plastic material including a silicon polymer having thixotropic properties, said forming including ejecting said polymer in a pasty initial state with a pressure nozzle and passing said pressure nozzle over one of said housing portions that is to be sealed, so that said polymer is deposited directly on said one of said housing portions (3a), to form said screening seal with a predetermined profile (8; 8') without a molding tool; and allowing said screening seal to cure on said one of said housing portions wherein said screening seal adheres to a surface of said one of said portions in such a manner that the screening seal maintains its electrical and sealing characteristics even after repeated opening of the housing.

23. (NEW) The method according to claim 22, further comprising forming said screening seal by passing said nozzle several times at least over predetermined regions of said one of said portions to form said screening seal with said profile having a predetermined cross-section.

24. (NEW) The method according to claim 22, wherein during said passing said nozzle repeatedly over the predetermined regions, different elastic materials are applied, at least one of said different elastic materials being a conductive material.

25. (NEW) The method according to 22, wherein said forming of said screening seal is accomplished in several layers at least in some regions, each layer being formed directly on the layer lying beneath it and joined by adhesion thereto.

26. (NEW) The method according to claim 22, wherein said forming of said screening seal includes forming a first layer made of a material that is very elastic but is at most only slightly conductive and forming another layer made of another material which is only slightly elastic, but is very conductive.

27. (NEW) The method according to claim 22 further comprising forming said predetermined profile of several strands of material, each said strand having a lip-shaped cross-section.

28. (NEW) The method according to claim 22 further comprising forming said profile in several strands of material wherein said strands cooperate to form a hollow section.

29. (NEW) The method of claim 22 further comprising forming said screening seal in several layers wherein at least one of said of layers is formed of a non-conductive material.

30. (NEW) The method of claim 22 further comprising forming said screening seal with an outer shape having at least one printed circuit board.

31. (NEW) The method of claim 22 further comprising forming said screening seal in several layers, some layers which differ in at least one of compressibility, elasticity, flexibility and hardness.

32. (NEW) The method of claim 22, wherein said portions are mated in a tongue-and-groove arrangement further comprising forming said screening seal in parallel with said tongue-and-groove arrangement.

33. (NEW) The method of claim 22 further comprising forming said screening seal inward of said tongue-and-groove arrangement.

34. (NEW) A method for the manufacture of a housing having two adjacent housing parts, one of said housing parts including an electrical printed circuit board, comprising:

forming a screening seal (8; 8') to fill a gap between said two adjacent housing parts, said seal being made from an elastic and electrically conductive plastic material, said electrically conductive plastic material including a silicon polymer, said forming including ejecting said polymer in a pasty initial state with a pressure nozzle and passing said pressure nozzle over electrical printed circuit board that is to be sealed, so that said polymer is deposited directly on said electrical printed circuit board to form said screening seal with a predetermined profile (8; 8') without a molding tool; and allowing said screening seal to cure on said electrical printed circuit board wherein said screening seal adheres to a surface of said electrical printed circuit board in such a manner that the screening seal maintains its electrical and sealing characteristics even after repeated opening of the housing.

35. (NEW) The method according to claim 34, further comprising forming said screening seal by passing said nozzle several times at least over predetermined regions of said one of said portions to form said screening seal with said profile having a predetermined cross-section.

36. (NEW) The method according to claim 34, wherein during said passing said nozzle repeatedly over the predetermined regions, different elastic materials are applied, at least one of said different elastic materials being a conductive material.

37. (NEW) The method according to 34, wherein said forming of said screening seal is accomplished in several layers at least in some regions, each layer being formed directly on the layer lying beneath it and joined by adhesion thereto.

38. (NEW) The method according to claim 34, wherein said forming of said screening seal includes forming a first layer made of a material that is very elastic but is at most only slightly conductive and forming another layer made of another material which is only slightly elastic, but is very conductive.

39. (NEW) The method according to claim 34 further comprising forming said predetermined profile of several strands of material, each said strand having a lip-shaped cross-section.

40. (NEW) The method according to claim 34 further comprising forming said profile in several strands of material wherein said strands cooperate to form a hollow section.

41. (NEW) The method of claim 34 further comprising forming said screening seal in several layers wherein at least one of said of layers is formed of a non-conductive material.

42. (NEW) The method of claim 34 further comprising forming said screening seal with an outer shape having at least one printed circuit board.

43. (NEW) The method of claim 34 further comprising forming said screening seal in several layers, some layers which differ in at least one of compressibility, elasticity, flexibility and hardness.

44. (NEW) The method of claim 34, wherein said portions are mated in a tongue-and-groove arrangement further comprising forming said screening seal in parallel with said tongue-and-groove arrangement.

45. (NEW) The method of claim 34 further comprising forming said screening seal inward of said tongue-and-groove arrangement.

Claims 46 – 48 cancelled in Examiners Amdt.